

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 03/35562

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J23/10 B01J23/52 B01J23/42 C01B3/16 C01B3/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/147103 A1 (FARRAUTO ROBERT J ET AL) 10 October 2002 (2002-10-10) paragraphs '0012!, '0033!, '0081!, '0084!, '0088!, '0089! example 3 claims 18-21,23	21-44
A	---	1-20
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
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Date of the actual completion of the international search

29 March 2004

Date of mailing of the International search report

16/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LI YUE ET AL: "Low temperature water-gas shift reaction over Cu- and Ni-loaded cerium oxide catalysts" APPLIED CATALYSIS B: ENVIRONMENTAL, AMSTERDAM, NL, vol. 27, 7 August 2000 (2000-08-07), pages 179-191, XP002194916 the whole document in particular: "3.2.2. Effect of metal content" and Figure 5, and "Conclusions"	21-44
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X	KUNDAKOVIC L ET AL: "Cu- and Ag-Modified Cerium Oxide Catalysts for Methane Oxidation" JOURNAL OF CATALYSIS, ACADEMIC PRESS, DULUTH, MN, US, vol. 179, no. 1, 1 October 1998 (1998-10-01), pages 203-221, XP004447325 ISSN: 0021-9517 the whole document in particular "Conclusions"	21-44
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A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 06, 30 April 1998 (1998-04-30) -& JP 10 036314 A (MITSUBISHI CHEM CORP), 10 February 1998 (1998-02-10) abstract	1-44
A	EP 1 138 378 A (JP MINISTRY OF EDUCATION CULTU) 4 October 2001 (2001-10-04) abstract	1-44
T	FU Q., SALTSBURG H. AND FLYTZANI-STEPHANOPOULOS: "Active non-mettalic Au and Pt Species on ceria-based water-gas shift ctalysts" SCIENCE, 'Online! vol. 301, 15 August 2003 (2003-08-15), pages 935-938, XP002275258 Retrieved from the Internet: <URL:www.sciencemag.org> 'retrieved on 2004-03-29! the whole document	1-44

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 03/35562

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